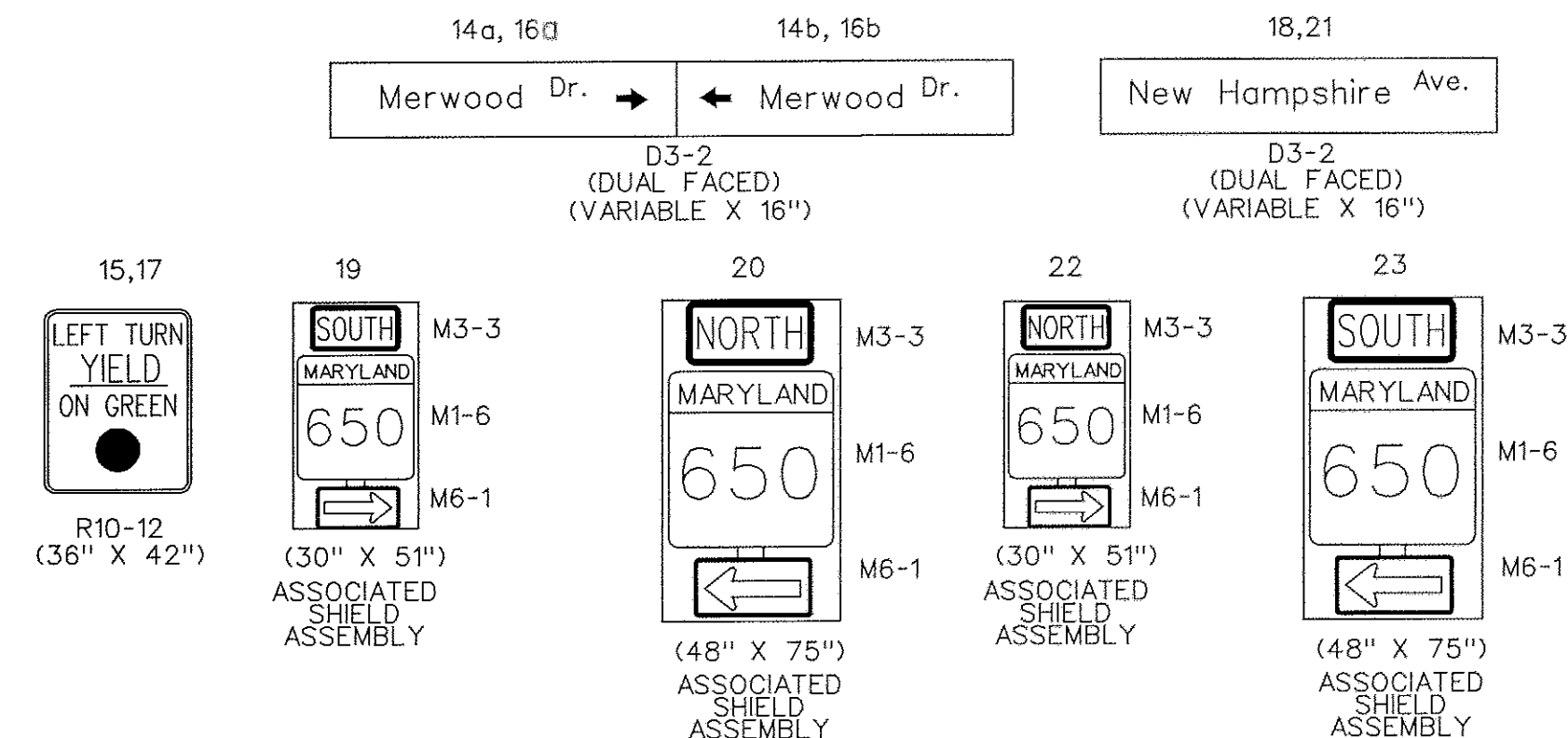


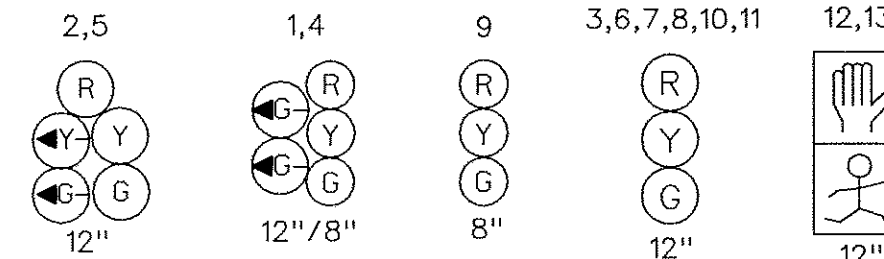


NOTE:
MD 650 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION.

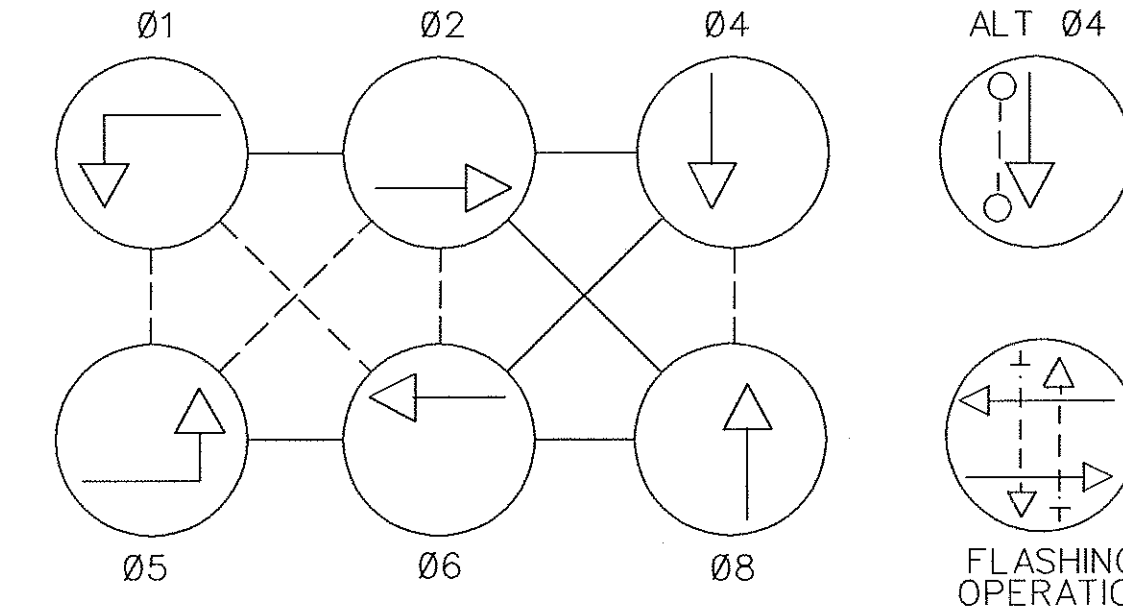
PROPOSED SIGNS



PROPOSED SIGNALS

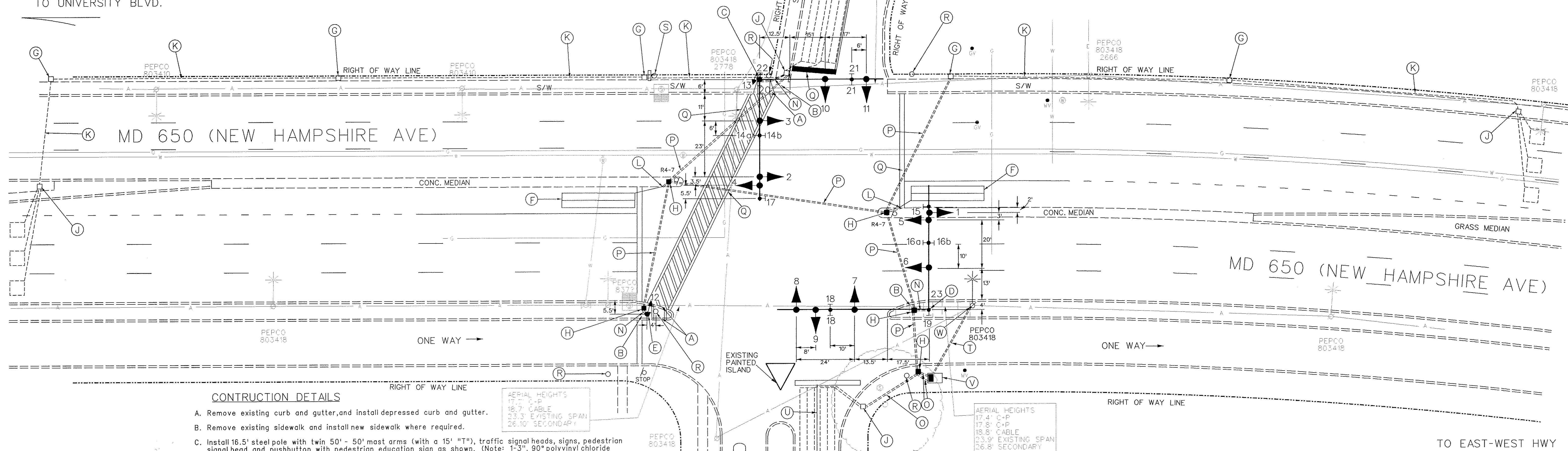


NEMA PHASING



PHASING NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

TO UNIVERSITY BLVD.



CONSTRUCTION DETAILS

- Remove existing curb and gutter, and install depressed curb and gutter.
- Remove existing sidewalk and install new sidewalk where required.
- Install 16.5' steel pole with twin 50' - 50' mast arms (with a 15' "T"), traffic signal heads, signs, pedestrian signal head and pushbutton with pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- Install 18' steel pole with twin 50' (with a 15' "T") - 60' (with a 16.5' "T") mast arms, traffic signal heads, signs, as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bends.)
- Install 10' breakaway pedestal pole, pedestrian signal heads, pushbutton with pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- Install 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).
- Use existing handhole.
- Install handhole.
- Use existing handhole, splice new 2- conductor Aluminum Shielded electrical cables to the existing loop wire cables.
- Use existing electrical conduit.
- Install 1" liquid tight flexible non-metallic electrical conduit (detector wire sleeve).
- Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched prior to the installation of new sidewalk).
- Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted).
- Use thermoplastic pavement marking material to repair the existing pavement markings as shown.
- Remove existing signal structure, and all attached equipment, remove the foundation 12" below grade.
- Remove existing signal structure, foundation and pole mounted cabinet with the control and distribution equipment.
- Install 4" polyvinyl chloride electrical conduit (Schedule 80) slotted for electrical service.
- Install 50' of 5" thermoplastic pavement marking material for lane line, as indicated.
- Install NEMA size "6" base mounted cabinet and controller with all necessary equipment, and the control and distribution, (Note: 3-4" and 1-3" 90° PVC bend).
- Install 4" elbow at the base of wood pole (See wiring diagram).

GENERAL NOTES

- The contractor shall be responsible for repairing the exiting pavement markings after the installation of the signal equipment.
- The C&P and CATV cables along the west side of MD 650 between utility poles numbers 837xxx and 803418 will be raised to a minimum height of 24' above road grade. The SHA, Engineering Division is managing this operation.
- The intersection's street lighting is located on the utility poles.
- The contractor shall remove of all existing signal equipment; not identified.

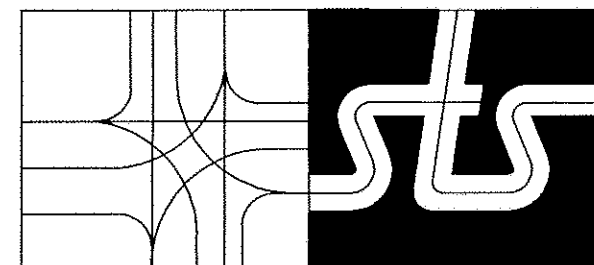
GEOMETRIC LEGEND

PROPOSED _____
EXISTING _____

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE _____ A _____
ELECTRIC _____ E _____
TELEPHONE _____ T _____
GAS _____ G _____
SEWER _____ S _____
WATER _____ W _____
CABLE TV _____ TV _____

REVISION " I "



STREET TRAFFIC STUDIES, LTD.
Gateway International
1302 Concourse Drive, Suite 104
Linthicum, Maryland 21090
PH (410) 859-3553
Fax (410) 859-3579

TASK24.DGN

REVISIONS

NO.	DATE	DESCRIPTION
1	6-4-99	Reconstruct existing traffic signal.
2	7-7-94	E.P. LEFT TURNS ADDED
3	7-7-94	E.P. LEFT TURNS ADDED
4	7-7-94	E.P. LEFT TURNS ADDED

APPROVALS

ASST. CHIEF TDD SECTION
ASST. DISTRICT ENGINEER, TRAFFIC
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD 650 AND MERWOOD DRIVE

DRAWN BY: GORDON
CHECK BY: *[Signature]*
DATE: 6-11-99
SCALE: 1"=20'

COUNTY: PRINCE GEORGE'S
LOG MILE: 16065001.47
F.A.P. NO. *[Signature]*
S.H.A. NO. *[Signature]*

TS NO.
292 I
T.J.M.S. NO.
C-971

SHEET NO.
1 OF 2